

Figure 1

- A. ctc aac cag tcc att gtc ca
- B. tcc cgg ttg ctc tga gac at
- C. gcc aca gtc atg ccc gtc ag
- D. ctg cga tcc gac tca cca at
- E. agt cct gtt ctc ttc cac
- F. ctt tac tgc tgc cat ggg
- G. cgc cgt tct cct gga tcc aa
- H. ctg act cca gct gta tcc
- I. ggt ctc cat ctc cga ttc
- J. cct ggg gtg atg tgg agc
- K. agt tcc aca aaa gta tcc
- L. ctt tcg gct ctc ggc tgc
- M. aac cag cgg ttg aag cgt

Figure 2A

- A. (T31028)
c*t*c* aac* cag t*c*c at*t gt*c* c*a
- A'. (T31029)
C*T*C* aaC* Cag T*C*C aT*T gT*C* C*a
- B. (T31030)
t*c*c* cgg t*tg c*t*c* tga ga*c* a*t
- C. (T31044)
g*c*c* aca gt*c atg c*c*c gt*c* a*g
- C'. (T31045)
g*C*C* aCa gT*C aTg C*C*C gT*C* a*g
- D. (T31049)
CT*g Cga T*C*C gaC* T*Ca C*C*a* a*t
- E. (T31054)
a*g*t* c*c*t gt*t c*t*c t*t*c* c*a*c
- E'. (T31055)
a*g*T* C*C*C* g*T*T C*T*C T*T*C* C*a*c
- F. (T31061)
C*T*T* TaC TgC* TgC* CaT* g*g*g
- G. (T31043)
C*gC* C*gT* T*C*T* C*C*T gga TC*C* a*a
- G'. (T31042)
c*gc* c*gt* t*c*t* c*c*t gga tc*c* a*

Figure 2B

- H. (T31053)
 C*T*g* aC*T* C*Ca gC*T gTa* T*C*c
- H'. (T31052)
 c*t*g* ac*t* c*ca gc*t gta* t*c*c
- I. (T31057)
 g*g*T* CT*C* CaT* CT*C Cga* T*T*c
- I'. (T31056)
 g*g*t* ct*c* cat* ct*c cga* t*t*c
- J. (T31062/63)
 c*c*t* ggg gtg* atg* tgg* a*g*c
- K. (T31065)
 a*g*T* TC*C aC*a aaa gT*a* T*C*c
- K'. (T31064)
 a*g*t* tc*c ac*a aaa gt*a* t*c*c
- L. (T31067)
 C*T*T* Tcg gC*T C*T*C ggC* T*g*c
- L'. (T31066)
 c*t*t* tcg gc*t c*t*c ggc* t*g*c
- M. (T31069)
 a*a*C* Cag Cgg T*Tg aag* C*g*t
- M'. (T31068)
 a*a*c* cag cgg t*t*g aag* c*g*t

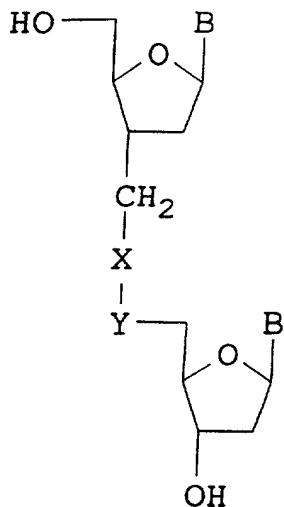
where * = phosphorothioate

C = Propynyl dC

T = Propynyl dT

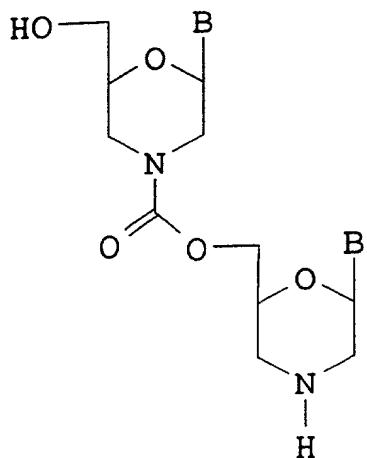
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Figure 3A



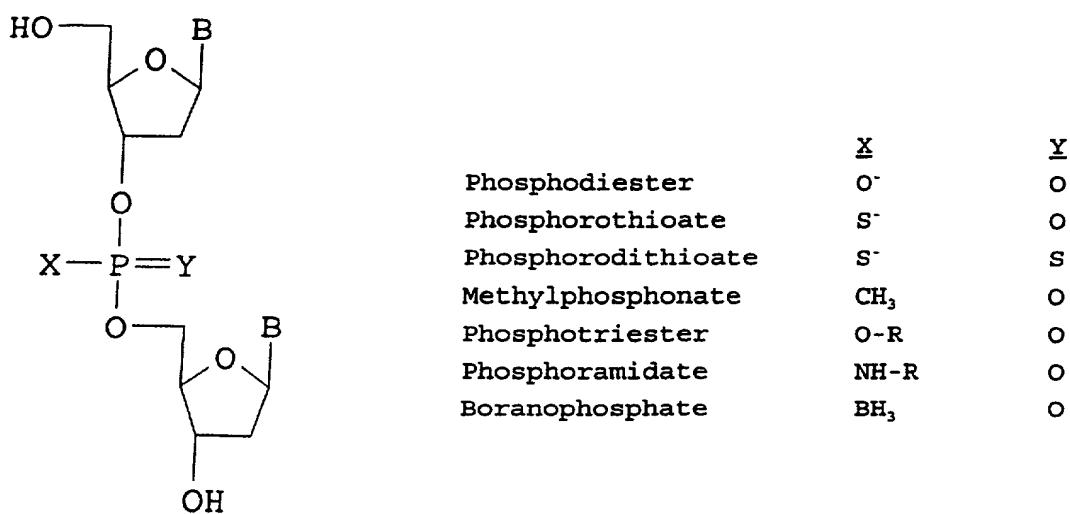
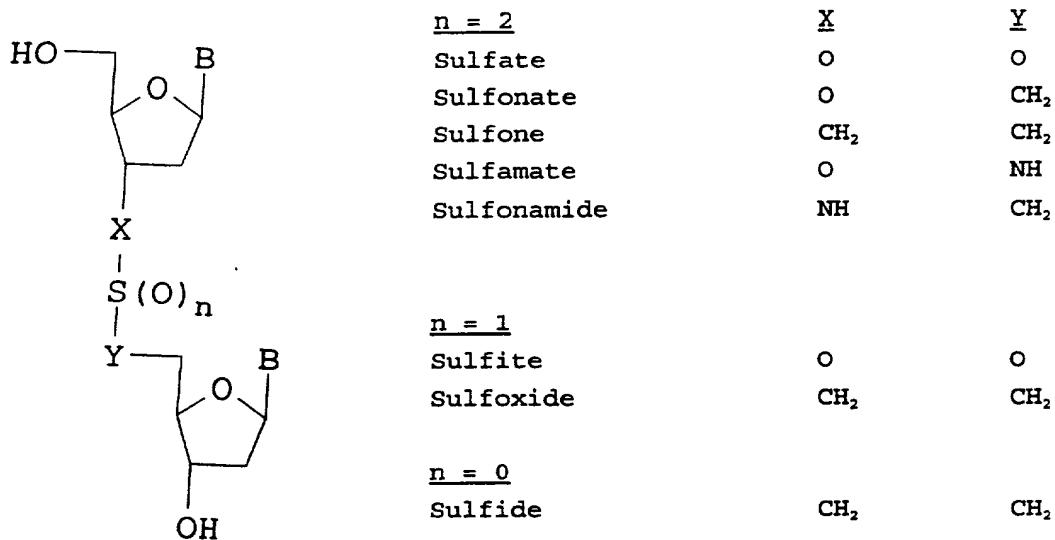
Hydroxylamine
MOMI
MMI-

X	Y
N-H	O
O	N-CH ₃
N-CH ₃	O



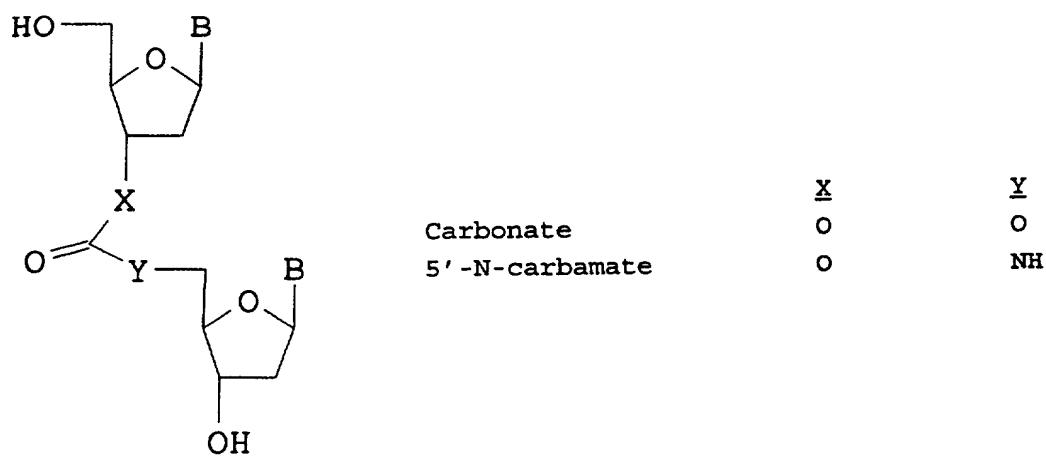
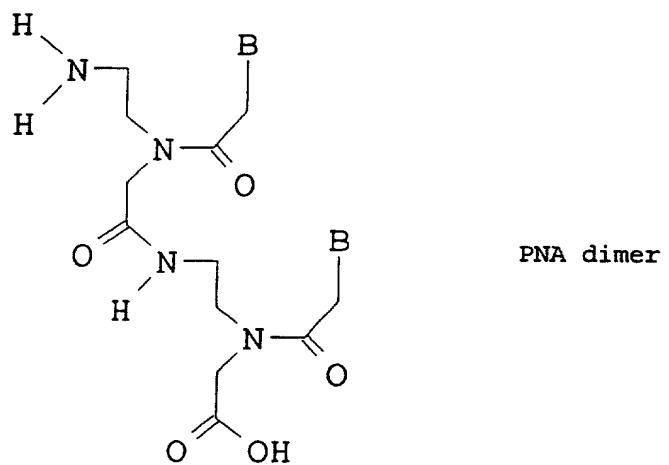
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Figure 3B



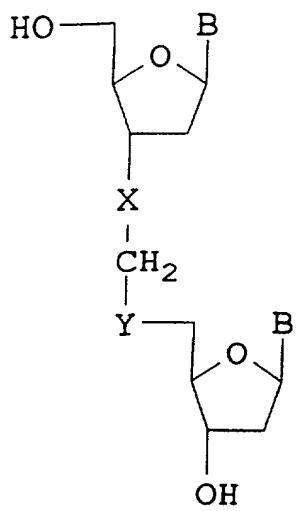
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Figure 3C



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Figure 3D

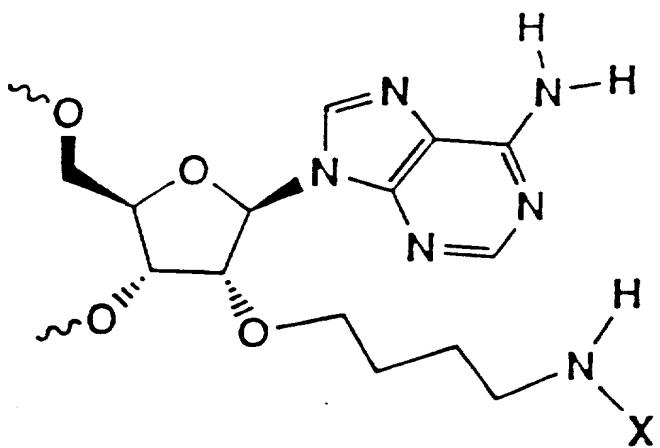


Formacetal
5'-Thioether
3'-Thioformacetal
5'-Thioformacetal

X	Y
O	O
CH ₂	S
S	O
O	S

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Figure 4

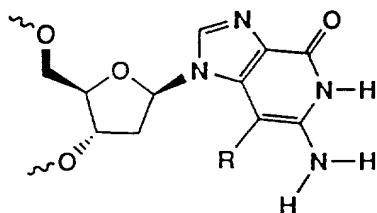


X = BIOTIN
= CHOLIC ACID
= FLUORESCEIN

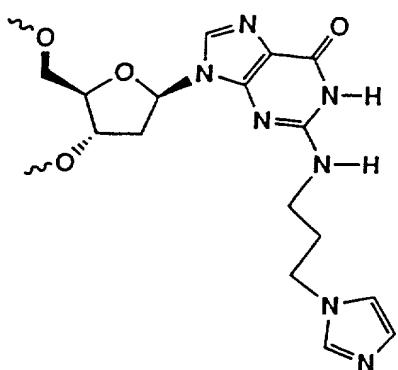
2'-O-(AMINOPENTYL) ADENINE
CONJUGATES

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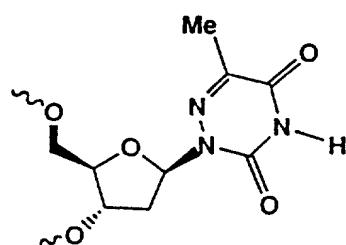
Figure 5A



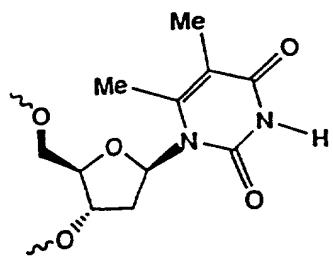
3-DEAZAGUANINES



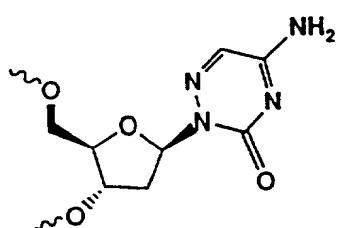
N2-IMIDAZOLYLPROPYL
GUANINE



6-AZATHYMIDINE

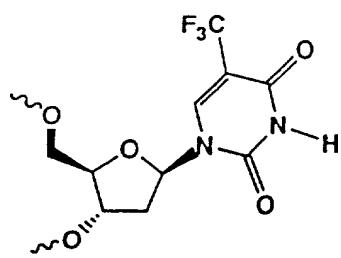


5,6-DIMETHYLTHYMIDINE

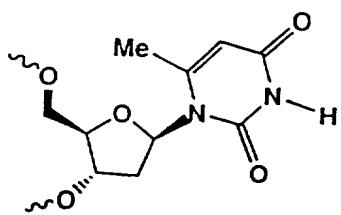


6-AZA-DEOXYCYTIDINE

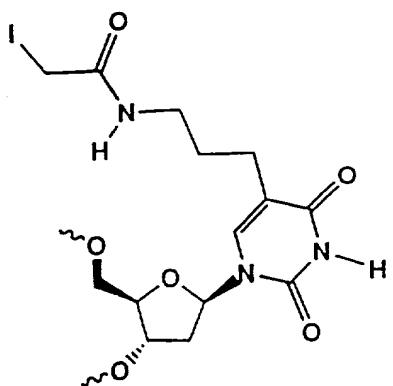
Figure 5B



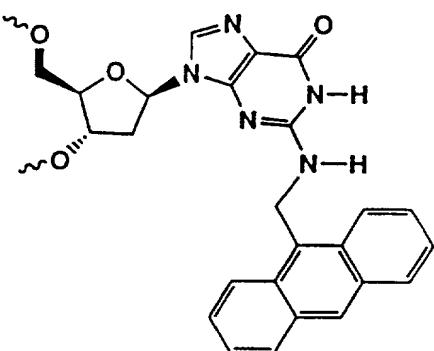
TRIFLUOROTHYMIN



6-METHYLTHYMIDINE



IDOACETAMIDOPROPYL URACIL



N2-ANTRACENYL METHYL
GUANINE

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FIGURE 6 Effect of 18-mer PS oligonucleotides on bcl-xL protein expression in LNCaP cells

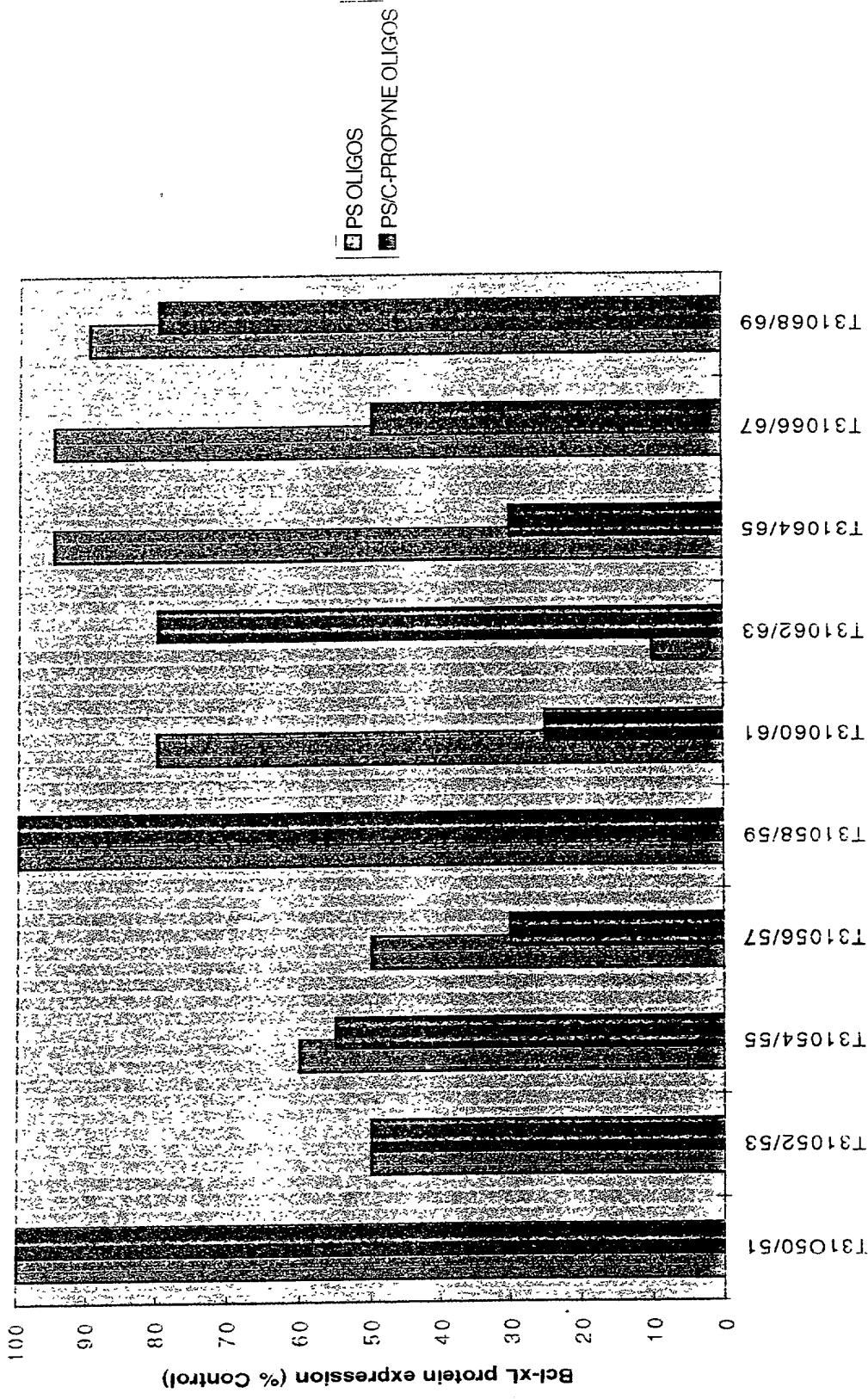


FIGURE 7

LNCaP cell line